

## Mayor Menino's Wireless Task Force

### Co-Chairs



JOYCE PLOTKIN has managed the trade association that represents the software and internet industry in Massachusetts (Mass Software Council), since it was created 20 years ago. In September 2005, the Council combined with another local association to create the Massachusetts Technology Leadership Council, the premier association for providers and users of innovative technologies. The primary mission of the new organization is to foster entrepreneurship and to promote the success of companies that develop and deploy innovative technologies. It achieves its mission by conducting research on the software industry, organizing approximately 50 educational meetings a year, representing the industry on public policy issues, recognizing innovative technology leaders through its awards program, and working to improve the quality and quantity of technology professionals emerging from the STEM (science, technology, engineering and math) pipeline. Under her leadership, the Council has received national recognition for several innovative workforce development projects. She has represented the Council on local, state, national and international technology and workforce committees and has established global partnerships with the software communities in Canada, Ireland, Northern Ireland, Korea, and Russia. In cooperation with the Russian software industry association, the Council recently hosted Mikhail Gorbachev, Nobel Laureate and former President of the Soviet Union. She has been the driving force behind several statewide initiatives that support technology in the schools, effective computer crime legislation, and access to capital for entrepreneurs. At the same time, she has led the effort against numerous anti-technology measures that were filed here. The Council has been credited with playing a seminal role in launching the state's Educational Technology Revolution and in clarifying the Open Standards issue currently being discussed throughout state government. She is also a founding member and Past Chair of the (National) Coalition of Regional Information Technology Associations and the Founding President of the statewide Net Day non-profit organization. She currently serves on the Board of the Boston Museum of Science and is on the Board of Overseers of the Boston Symphony Orchestra. She also sits on the Corporate Executive Council for WGBH, and the Board of Visitors for Northeastern University's College of Business Administration. Significant prior civic activities included serving on the New England Advisory Council of the Federal Reserve Bank of Boston as well as the boards of ArtsBoston, United Way of Mass. Bay, and the Greater Boston Chamber of Commerce. She is the recipient of five leadership and achievement awards.

DR. JAMES CASH recently retired (October, 2003) as the *James E. Robison Professor*



and Senior Associate Dean of the Harvard Business School, where he first joined the faculty in 1976. In addition to heading several executive education programs, he taught in all the major HBS programs, and served as Chairman of the MBA program and Chairman of the Harvard Business School Publishing Company. Dr. Cash received a Bachelor of Science degree in Mathematics from Texas Christian University; a Master of Science in Computer Science from Purdue University's Graduate School of Mathematical Sciences; and a Doctor of Philosophy in

Management Information Systems (MIS) from Purdue University's Krannert Graduate School of Management. He has worked with many companies and governments around the world in both consulting and teaching assignments, and is currently running an invitation-only program for chief information officers of leading companies – designed to promote peer-to-peer exchange and learning, and exposure to leading thinkers from business, government and academia – titled *The Cash Concours*. He also designed and implemented a leadership development program for The Concours Group which targets senior managers in large information technology organizations. Dr. Cash participates on a number of public, private and not-for-profit boards, including General Electric, Microsoft, Chubb, Phase Forward, Mass General Hospital, Newton-Wellesley Hospital and Partners Healthcare.

RICK BURNES was a co-founder of Charles River Ventures in 1970 and has played a major role in the firm's development into one of the country's major venture firms with offices in Waltham and Menlo Park California. Over the last 15 years, Rick has focused on investments in the fields of communications and information services. Among the successful investments he has led on behalf of Charles River are: Cascade Communications, Chipcom Corporation, Epoch Systems, Abacus Direct, Summa Four, Concord Communications, Prominet, Aptis and Sonus Networks. Apart from venture capital, Rick has been active in community organizations. Currently he is Chairman of Boston's



nationally recognized Science of Museum, Chairman of the Entrepreneur's Foundation of New England, Vice Chairman of Sea Education Association and Director of The Boston Foundation. He is a past Chairman of the Board of the Middlesex School.

Rick holds a B.A. in history from Harvard College and an MBA from Boston University. He is married to The Honorable Nonnie Burnes, a Judge in the Superior Court of Massachusetts. He and his wife live in Boston and enjoy 8 grandchildren, powder skiing and ocean sailing.

## Business Representatives

MARK LOWENSTEIN is recognized as one of the leading authorities in the wireless and mobile communications industry. Mr. Lowenstein spent ten years with the Yankee Group, where he founded and led the company's top-ranked global wireless practices. As Executive Vice President, he supervised a team of more than twenty analysts worldwide, authored dozens of influential reports, and headed large-scale strategy consulting projects. As a member of the Yankee Group's executive management committee, Lowenstein oversaw the growth of the company's Canada, Latin America, and Asia-Pacific practices, and led early stage electronic content and commerce initiatives. As Managing Director of Mobile Ecosystem, Lowenstein advises C-level executives on corporate, product, market, and industry strategy. Mr. Lowenstein is a frequent keynote speaker at corporate and industry events worldwide, and is often quoted in the print and broadcast media. He writes a monthly opinion column, *Mobile Mindset*, for *Wireless Week* and his monthly *Lens on Wireless* newsletter is read by more than 6,000 industry executives and enterprise decision makers. Mr. Lowenstein has provided testimony to the FCC and has been retained as an expert witness in several cases pertaining to the wireless industry. In addition to his duties as Mobile Ecosystem's Managing Director, Mr. Lowenstein serves on numerous corporate advisory boards, including Telephia and Visage Mobile. He is an adjunct professor at Tufts University, where he teaches *The Business of Wireless Communications*. He has been selected as a judge in numerous business plan competitions. Prior to founding Mobile Ecosystem, Mr. Lowenstein was Chief Strategist at Informio, which develops enterprise voice solutions for mobile users. His role there included corporate strategy, industry evangelism, and partner development. Mr. Lowenstein holds a B.A. from Tufts University and an M.A. in International Communications and Technology Policy from the Fletcher School of Law and Diplomacy. He lives with his wife and two children in Wellesley, Massachusetts.



PAM REEVE, Former CEO of Lightbridge; Principal, Kairos Group

ROBIN CHASE is founder and CEO of Meadow Networks which applies innovative wireless technologies to the transportation sector, reducing dependency on fossil fuel, minimizing CO2 emissions, and creating more adaptable, resilient, and cost-efficient economies. She is also founder and former Chairman and CEO of Zipcar. Robin lectures widely and has been frequently featured in the major media including the Today Show, The New York Times, National Public Radio, Fast Company, Wired, and Time magazines, as well as several books on entrepreneurship. She has received many awards, including the Massachusetts Governor's Award for Entrepreneurial Spirit, Start-up Woman of the Year, and Fast Company's Fast



50 Champions of Innovation. Robin graduated from Wellesley College and MIT's Sloan School of Management.



MITCHELL ADAMS is Executive Director of the Massachusetts Technology Collaborative (MTC), the state's development agency for the innovation economy. MTC acts as a catalyst among industry, government and academia to stimulate the state's knowledge-based economy. MTC has diverse mandates and constituencies. Its Health Care Technologies Initiative speeds the adoption of advanced technologies that improve the quality of care and simultaneously lower costs. MTC's John Adams Innovation Institute is leveraging more than \$35 million in federal funding for research centers at major universities and making critical investments to support regional economic growth across the state. The Innovation Institute is supporting new Centers of Excellence in Nanomanufacturing and Apoptosis Research as well as providing an annual benchmark analysis of the state's innovation economy. MTC's Renewable Energy Trust is helping communities build high performance "green" schools, supporting a record-high number of solar installations and strengthening the Commonwealth's growing renewable energy industry cluster. Mitchell has a distinguished record of 30 years in leadership positions in the private and public sectors in regulation, law enforcement, healthcare, banking/investment management, real estate development and in a variety of entrepreneurial ventures. As State Revenue Commissioner from 1991-1998, he downsized the agency over 30% by introducing cutting-edge information technologies, including the touchtone telephone system "Telefile," now a national model. The Revenue Department's Child Enforcement Program became a template for the country in terms of aggressive enforcement and the use of computers to speed collection of delinquent payments. Most recently he served as Chairman and CEO of HWT, Inc., a company that pioneered the use of advanced data mining tools to ensure the integrity of healthcare payment systems. Mitchell is currently a member of the Board of Overseers of Harvard University and a member of the Overseers' Committees for Information Technology and the Harvard Medical School. He also serves as a member of the Board of Trustees of the Boston Athenaeum and on the Board of Directors at Harvard Vanguard Medical Associates. Previously, he served as Dean for Finance and Business at the Harvard Medical School and Vice Chancellor for Administration and Finance at the University of Massachusetts Medical Center. Mitchell holds A.B. and M.B.A. degrees from Harvard University.

JANE SHENG combines a unique understanding of technology-based business with more than 15 years' experience in business strategy, finance and operating management. Jane is a co-founder and CEO of PJ Systems/HIQ Computers Boston ([www.hiq.com](http://www.hiq.com)), one of the largest full service IT solution providers in the metro Boston area with service and sales revenue of over \$25MM annually. From 1999 to 2004, while continuing to serve as the CEO of PJ Systems, Jane co-founded and served as the CFO of Archemix Corp ([www.archemix.com](http://www.archemix.com)), a biopharmaceutical company in Cambridge, Massachusetts. She was responsible for all financial administration and management from its inception,

and helped raise over \$60MM in private and venture funding. The company is a leader in Aptamer therapeutics and currently employs over 80 research scientists and intellectual property specialists. Jane graduated from BeiHang University in Beijing, China with a Masters degree in Electronic Engineering, and holds a MBA/Masters in Finance from Brandeis University School of International Economics and Finance.

### **Academia Representatives**

PROFESSOR MASOUD SALEHI received BS degree from Tehran University and MS and PhD degrees from Stanford University all in Electrical Engineering. Before joining Northeastern University, he was on Electrical and Computer Engineering Department, Isfahan University of Technology and the Electrical Engineering Department at Tehran University. From February 1988 to May 1989 Dr. Salehi was a visiting professor at the Information Theory Research Group, Department of Electrical Engineering, Eindhoven University of Technology, The Netherlands, where he did research in network information theory and coding and information theoretical analysis of storage media. In 1989 Professor Salehi joined Department of Electrical and Computer Engineering, Northeastern University as a faculty member where he is involved in teaching courses and supervising graduate students research in information theory, coding, and communications. Professor Salehi is also a member of the CDSP (Communication and Digital Signal Processing) Center. His main areas of research interest include information theory, source-channel matching problems in single and multiple user environments, data compression, coding and capacity for storage media, turbo coding, and coding for wireless communications. Professor Salehi's research has been supported by research grants from the National Science Foundation, GTE, NUWC, and Analog Devices. Professor Salehi has also done consulting to industry including Teleco and AT&T. Professor Salehi holds two US patents and is the coauthor of three textbooks "Communication Systems Engineering", published by Prentice-Hall in 1994 and 2002 "Contemporary Communication Systems Using Matlab and Simulink" published by the Thomson in 1998, 2000, 2004, and "Fundamentals of Communication Systems", published by Prentice-Hall in 2005. Dr. Salehi has also published extensively in professional journals and conference proceedings.

SANDY PASCAL, Associate Vice-President of Community Affairs, Wentworth Institute of Technology



SHARON EISNER GILLETT is a Principal Research Associate at the Massachusetts Institute of Technology (MIT) and co-chair of the Broadband Working Group of MIT's Communications Futures Program. Her research and industry outreach work focuses on how emerging technologies, public policies, and business imperatives interact in broadband access networks, both wired and wireless. Sharon teaches courses at MIT and Cambridge (UK) on communications policy, and has published numerous articles, most recently focusing on municipal broadband and economic impact. Her previous



experience includes software development and project management in computer networking at Bolt, Beranek & Newman, Inc. and at Thinking Machines Corporation. She received her MBA and MS in Technology and Policy from MIT, and her AB in Physics from Harvard.

KEVIN McCLUSKEY, Director of Community Affairs, Harvard University

MICHAIL BLETSAS was director of computing at the MIT Media Laboratory. He designed and deployed most of the Internet network infrastructure systems at the Media Lab. His research involves experimenting with wireless networks that are implemented using off-the-shelf, low-cost components to provide broadband Internet access to underserved areas. Before joining the Media Lab, he was a systems engineer at Aware, Inc., where he designed and wrote high-performance software libraries for Intel's distributed-memory parallel supercomputers, and was involved in the development of one of the first ADSL Internet-access test beds. He holds a diploma in electrical engineering from Aristotle University of Thessaloniki, Greece and an MS in computer engineering from Boston University.



### Community Representatives

NYVIA COLON, Director of Technology Programs and Lower Roxbury Technology Goes Home Coordinator, has managed Madison Park Development Corporation's CTLC for over 5 years. She has 15+ years experience delivering technology trainings. For the past three years she has worked with a team of IT volunteer to establish the wireless infrastructure at Madison Park Village. She attended UMASS Boston's College of Public and Community Service (CPCS) and holds several certifications in Microsoft Office Technology Specialist (MCTS); Microsoft Certified Trainer (MCT); and Microsoft Office Specialist. She also holds a certification in CompTIA A+ and Network+.



MICHAEL OH is President and Founder of Boston-based IT consultancy, Tech Superpowers, Inc, co-founder of the Boston Wireless Advocacy Group. and founder of NewburyOpen.net, Boston's largest free public wireless network. A graduate of MIT in Aerospace and Electrical Engineering, he has constructed one of the most widely-distributed models for free wireless, called the Urban Hotzone Business Model, available for free download on the NewburyOpen.net website. Started in 2002, before for-pay WiFi was even a blip on the map, NewburyOpen.net was one of the first commercial WiFi hotzones - and the only based on the idea of corporate sponsorship at the time. Since then, NewburyOpen.net has grown to a dozen locations in central Boston, and others have sprung up in other nearby cities like Salem, MA, Waltham, MA, and Portsmouth, NH.

As Vice President, BRIAN WOROBEY is responsible for the creation and



implementation of Museum-wide information systems strategy. The Information Systems and Resources division is responsible for web and new media activities; MIS/Technology Services; Museum library/educator resource center; as well as, exhibit hall operations. Since he started at the Museum of Science in 1996, Worobey has been instrumental in creating strategic partnerships with leading technology companies. He continues to provide strategy and raise support for the Museum's technological, and educational initiatives -- with a present focus on online learning, wireless applications and customer relationship management. Formerly the Director of MBA Technology Services at Harvard Business School, Worobey has brought to the Museum his experience of directing all aspects of technology planning for instructional and administrative services. And, as Assistant Director for Network Services at Boston College, he planned and delivered networking services in support of 16,000 students, faculty, and staff. Worobey graduated from Clark University in 1984 with a B.A. in Management. He is involved with the Massachusetts Interactive Media Council, Massachusetts Software and Internet Council, and frequently serves as an advisor for companies on the strategic use of technology in business. In addition, he is a performing musician, and musical composer.

EDWARD BAAFI is the Director of Technology for the Fabrication Lab at the South



End Technology Center (SETC) @ Tent City. A graduate of UMass Boston, with a degree in Computer Science, Mr. Baafi splits his time between his young tech start-up, DashForward and SETC, where he develops software and exposes city residents to emerging digital fabrication technology. Edward has also played a key role in the deployment of SETC's community wireless network, which provides free Internet access to many of Tent City's 270+ households.

### **City Representatives**

WILLIAM HOLLAND, CIO, City of Boston

ROBERT TUMPOSKY, Deputy Director, MIS, BRA

MICHAEL LYNCH, Director, Cable Communications, City of Boston

ROBIN HADLEY, Policy Advisor, Mayor's Office, City of Boston

As Technology Advisor to Thomas M. Menino, Mayor of Boston, STEVEN GAG's primary responsibility is to coordinate technology efforts among several city departments including schools, libraries, and community centers. He is responsible for implementation of the Mayor's \$175 million school technology plan, called "LINC 2 the Future" to create access, training, educational on-line content and support for the 60,000 students, 10,000 teachers and administrators and 40,000 families that use the 160 networks and 15,000 computers. He also serves as the Chief Operating Officer of the Mayor's Boston Digital Bridge Foundation. In this role he oversees the Foundation's "Technology Goes Home" project that provides training and computer systems for low-income families through neighborhood technology collaboratives and several Boston Public Schools. He is also co-founder of the Foundation's Hub On Wheels city-wide bike ride and festival

